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No. III.

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METEOROLOGICAL JOURNAL,

COMMENCING

1<sup>ST</sup> JANUARY, 1848, AND ENDING 31<sup>ST</sup> DECEMBER, 1848,

BY

GEORGE YEATES.

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THE instruments employed, and the general circumstances of the mode of observing, have been described in the preliminary observations to the Tables of the year 1843, in the 2<sup>nd</sup> volume of the Proceedings of the Academy, Appendix V.

VOL. IV.

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JANUARY.				FEBRUARY.				MARCH.			
Thermom.	Barom.	Rain.	Wind.	Thermom.	Barom.	Rain.	Wind.	Thermom.	Barom.	Rain.	Wind.
Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1 39°	22°	29.600	.060	N. W.	1 34°	29.850	..	N. W.	1 45°	28.720	.080
2 46	28	29.422	.020	N. E.	2 39	29.122	..	W.	2 43	29.350	.060
3 53	44	29.313	.420	S. W.	3 46	30.834	..	S. W.	3 48	30.072	..
4 54	37	29.650	.100	N. E.	4 53	29.846	.035	S. W.	4 45	29.963	..
5 48	35	29.442	.060	W.	5 58	29.900	.068	S. W.	5 52	29.783	.140
6 41	31	29.770	.035	W.	6 56	30.066	.120	S. W.	6 43	29.876	..
7 44	32	29.480	.040	W.	7 56	29.880	.002	S. W.	7 45	29.850	.730
8 40	35	29.600	.002	W.	8 54	29.670	.025	S. W.	8 49	30.900	.020
9 44	36	30.064	.060	E.	9 53	28.820	.320	S. W.	9 53	29.783	..
10 38	28	30.150	..	E.	10 48	28.708	.120	W.	10 58	29.320	.060
11 41	30	30.450	.070	N. W.	11 45	29.200	.200	N.	11 47	28.812	.340
12 41	34	30.500	..	N. W.	12 48	29.658	..	W.	12 44	28.900	.268
13 46	40	30.271	..	N. W.	13 54	29.600	..	S. W.	13 46	29.440	..
14 45	39	30.089	.002	N. W.	14 55	29.634	.120	S. W.	14 48	29.748	..
15 44	31	30.089	.002	W.	15 50	29.450	.220	N. W.	15 47	29.679	.060
16 41	32	29.871	.016	W.	16 44	29.824	..	N. W.	16 50	29.580	.012
17 43	30	29.360	.226	N. W.	17 38	26	..	N.	17 47	29	.028
18 36	25	29.300	.006	W.	18 46	30.128	.002	N. W.	18 43	29.512	.030
19 41	31	29.584	.298	E.	19 46	29.660	.106	W.	19 45	28.850	.060
20 41	27	29.916	.090	W.	20 49	35	29.608	N.	20 45	30	.025
21 37	23	30.166	.003	S. E.	21 45	29.632	.046	W.	21 44	28.989	.002
22 38	29	29.958	..	S. E.	22 52	39	29.044	W.	22 46	31	.016
23 38	34	30.210	.060	N. E.	23 52	40	29.000	S. W.	23 53	29.450	.150
24 30	26	30.450	.036	W.	24 50	42	28.944	S. W.	24 54	30.964	..
25 37	28	30.450	..	N. E.	25 53	46	28.714	S. W.	25 55	30.064	..
26 35	32	30.100	..	N. E.	26 53	42	28.688	N. E.	26 56	29.730	.080
27 37	32	30.000	..	N. E.	27 55	37	28.308	N. W.	27 51	29.650	..
28 36	26	29.800	..	E. S. E.	28 54	43	28.980	W.	28 50	29.560	.100
29 34	21	29.652	..	E. S. E.	29 48	35	29.132	W.	29 45	29.742	.120
30 41	21	29.271	.280	N. E.	30 53	41	29.542	N. W.	30 55	29.950	.008
31 34	26	29.274	.120	N. W.	31 55	35	29.950	N. W.	31 55	29.950	..

APRIL.				MAY.				JUNE.			
Thermom.	Barom.	Rain.	Wind.	Thermom.	Barom.	Rain.	Wind.	Thermom.	Barom.	Rain.	Wind.
Max.	Min.			Max.	Min.			Max.	Min.		
1 33°	32°	30.008	...	S. E.	1 56°	30.042	...	S. E.	1 61°	29.772	.150
2 58	36	29.863	...	E.	2 58	29.980	.006	S. E.	2 57	29.280	W.
3 58	43	29.970	.480	W.	3 64	29.881	...	S. W.	3 64	29.250	S. W.
4 64	44	30.100	...	N. W.	4 66	30.070	...	S. W.	4 64	29.374	.520
5 59	48	29.950	...	N. W.	5 65	30.020	...	S. W.	5 63	29.510	.020
6 53	34	29.753	.100	N. W.	6 63	30.136	...	N. W.	6 62	29.680	N. W.
7 48	31	29.648	.022	N.	7 65	29.916	...	W.	7 61	29.650	S. W.
8 47	35	29.500	.030	N.	8 58	29.960	...	W.	8 64	29.674	W.
9 47	36	29.723	.068	N. E.	9 60	30.150	...	E.	9 64	29.622	W.
10 48	34	29.220	.060	W.	10 64	30.242	.060	E.	10 64	29.590	W.
11 47	32	29.622	.038	S. E.	11 69	30.234	...	S. E.	11 66	29.740	S. E.
12 48	39	29.332	.546	E.	12 75	30.162	...	W.	12 59	29.732	S. E.
13 50	37	29.671	.320	E.	13 77	30.160	...	E.	13 65	29.650	S. W.
14 49	30	29.923	...	N. W.	14 76	30.239	...	S. E.	14 53	29.650	W.
15 51	39	29.680	.060	S. E.	15 74	29.839	...	S. W.	15 64	29.740	S. E.
16 54	42	29.620	.048	S. E.	16 74	29.562	...	S. W.	16 69	29.850	N. W.
17 55	42	29.400	.030	S. W.	17 66	29.320	...	E.	17 70	29.846	.010
18 57	43	29.271	.220	E.	18 60	29.300	.330	W.	18 62	29.900	E.
19 54	44	29.032	.380	E.	19 61	29.380	.010	E.	19 70	30.190	W.
20 56	45	29.400	.130	E.	20 63	30.000	...	W.	20 71	47	30.154
21 58	41	29.612	...	N.	21 63	30.160	.075	N. W.	21 74	55	30.068
22 60	44	29.723	...	N. W.	22 69	30.350	...	W.	22 73	50	29.980
23 56	45	29.782	.140	N. E.	23 75	30.349	...	E.	23 68	55	29.700
24 48	43	29.871	.180	N. E.	24 76	30.300	...	N. W.	24 63	54	29.450
25 52	39	29.950	...	N.	25 75	30.289	...	E.	25 66	55	29.759
26 53	34	29.962	...	N. E.	26 69	30.192	...	E.	26 71	57	29.940
27 50	31	29.808	...	N. N. W.	27 75	30.072	...	N.	27 68	55	29.674
28 52	36	29.700	...	N. W.	28 73	30.072	...	N. E.	28 69	54	29.683
29 47	31	29.918	.020	N. N. W.	29 67	29.962	.080	W.	29 68	53	29.550
30 53	33	30.042	...	S. E.	30 66	30.168	.010	N. W.	30 65	50	29.540
					31 61	29.800	.140	W.			

JULY.				AUGUST.				SEPTEMBER.				
Thermom.	Barom.	Rain.	Wind.	Thermom.	Barom.	Rain.	Wind.	Thermom.	Barom.	Rain.	Wind.	
Max. 62°	Min. 47°			Max. 70°	Min. 52°			Max. 63°	Min. 41°			
1 26	46	.29.740	.090	N. W.	1 26	.29.350	.962	W.	1 26	.30.260	W.	
2 61	45	.29.742	.009	W.	2 65	.29.800	.280	W.	2 69	.30.400	W.	
3 64	50	.29.700	.120	E.	3 66	.29.760	.100	W.	3 66	.30.364	S. W.	
4 64	49	.29.991	.020	S. E.	4 61	.29.622	.100	W.	4 68	.30.086	S.	
5 66	46	.30.039	..	S. E.	5 64	.29.422	..	E.	5 70	.29.650	S. E.	
6 71	58	.29.950	.030	W.	6 65	.29.564	.420	W.	6 67	.29.724	W.	
7 76	59	.28.643	..	W.	7 63	.29.813	.527	W.	7 62	.29.380	W.	
8 72	53	.29.750	.220	W.	8 65	.29.790	.100	S.	8 65	.29.750	W.	
9 67	50	.28.671	.480	E.	9 60	.29.732	.200	N. W.	9 61	.29.780	W.	
10 69	49	.30.200	.040	W.	10 65	.29.950	.020	W.	10 66	.006	N. E.	
11 72	51	.30.413	..	W.	11 67	.47	30.012	.002	E.	11 51	.30.134	N. W.
12 74	53	.30.461	..	E.	12 62	.39	30.048	..	W.	12 55	.30.300	W.
13 78	54	.30.461	..	S.	13 66	.50	30.000	..	N. E.	13 55	.30.280	W.
14 81	61	.30.400	..	S. E.	14 70	.54	29.863	.100	N. E.	14 59	.30.280	W.
15 75	50	.30.332	..	N.	15 55	.51	29.828	.200	N. E.	15 63	.30.289	N. W.
16 71	55	.30.330	..	N. W.	16 59	.53	29.818	.200	S. E.	16 65	.30.300	S. W.
17 77	52	.30.274	..	N. E.	17 66	.52	29.650	.240	W.	17 66	.30.380	N. W.
18 65	54	.30.080	..	W.	18 66	.44	29.950	..	E.	18 63	.42	E.
19 67	56	.29.433	.090	W.	19 63	.51	29.584	.425	S. W.	19 60	.42	S. W.
20 72	55	.29.050	.400	W.	20 65	.48	29.840	.004	S. W.	20 69	.42	S. W.
21 66	57	.29.521	.040	W.	21 65	.50	29.064	.250	N. E.	21 59	.42	S. E.
22 67	62	.29.600	.040	W.	22 59	.45	29.492	.150	W.	22 61	.47	E.
23 65	48	.29.741	.110	W.	23 59	.48	29.650	.010	N. W.	23 62	.54	S. E.
24 70	47	.29.750	.220	W.	24 61	.46	29.910	.025	N. W.	24 67	.53	S. E.
25 68	56	.29.500	.090	W.	25 61	.50	29.950	.006	S. E.	25 62	.50	S. E.
26 65	52	.29.553	..	W.	26 69	.55	29.636	.025	S. W.	26 58	.54	E.
27 67	52	.29.620	..	W.	27 74	.54	29.724	.030	S. W.	27 58	.51	N. E.
28 69	50	.29.963	.010	W.	28 67	.52	29.650	..	S. W.	28 60	.53	N. E.
29 70	54	.30.018	.100	S. W.	29 67	.52	29.850	.006	W.	29 57	.52	N. E.
30 72	57	.29.580	.060	W.	30 64	.49	30.060	.060	N.	30 55	.48	N. W.
31 69	51	.29.500	..	W.	31 63	.46	30.151	..	W.	31 55	.110	N. W.

OCTOBER.					NOVEMBER.					DECEMBER.					
Thermom.	Barom.	Rain.	Wind.		Thermom.	Barom.	Rain.	Wind.	Thermom.	Barom.	Rain.	Wind.			
Max.	Min.				Max.	Min.			Max.	Min.					
1 55°	47°	29.540	.140	S. W.	1 50°	29.650	.008	N.	1 43°	36°	29.500	.045	W.	S. W.	
2 57	52	29.400	.070	S. S.	2 46	29.826	.090	W.	2 45	35	29.182	.260	S. W.	S. W.	
3 56	44	29.474	.100	S. E.	3 48	29.500	.040	N. W.	3 42	32	29.580	.120	S. W.	S. W.	
4 63	52	29.400	.080	N. W.	4 43	29.808	.072	W.	4 53	39	29.850	.200	S. W.	S. W.	
5 64	58	29.782	...	S. W.	5 46	29.700	.002	N. W.	5 43	34	29.050	.250	S. W.	S. W.	
6 70	58	30.000	...	W.	6 48	29.680	...	N. W.	6 45	38	29.000	.038	S. W.	S. W.	
7 65	54	30.008	...	W.	7 49	29.716	.008	W.	7 43	38	29.328	.260	S. W.	S. W.	
8 66	53	29.944	...	W.	8 46	30.184	...	N. W.	8 52	38	29.522	.040	S. W.	S. W.	
9 60	50	29.812	.030	W.	9 43	30.376	.020	N. W.	9 47	29.750	.060	S. W.	S. W.		
10 58	48	29.814	.150	N. W.	10 43	30.450	.036	W.	10 58	54	29.950	.010	S. W.	S. W.	
11 58	40	30.000	...	S. W.	11 44	28	.008	N. W.	11 63	49	29.948	...	W.	S. E.	
12 56	42	30.020	.008	S. E.	12 46	41	.018	N. E.	12 53	32	29.990	...	S. E.	S. E.	
13 55	45	30.236	.180	S. E.	13 56	29	.002	N. W.	13 58	51	29.622	.040	S. W.	S. W.	
14 53	45	30.262	.190	N. E.	14 44	34	.040	N. W.	14 55	48	29.350	.040	S. E.	S. E.	
15 50	42	30.100	.220	N. E.	15 49	37	.058	...	15 53	43	29.044	.380	S. E.	S. E.	
16 52	47	29.946	.460	N. E.	16 46	39	.020	...	N. E.	16 54	38	29.774	.100	W.	W.
17 52	42	30.100	.180	N. E.	17 56	42	.035	W.	17 43	35	29.730	...	S. E.	S. E.	
18 46	31	29.900	.002	N. W.	18 54	44	.010	S. W.	18 49	42	29.500	.060	E.	E.	
19 39	33	29.930	.160	N. E.	19 53	34	.090	S. W.	19 50	31	29.922	.030	N. W.	N. W.	
20 44	31	30.824	.029	N. W.	20 60	42	.040	W.	20 43	25	30.150	...	...	...	
21 44	28	29.884	.120	N.	21 54	40	.180	S. W.	21 43	28	30.250	...	S. E.	S. E.	
22 47	34	29.368	.180	S.	22 48	42	.280	S. W.	22 38	28	30.300	.076	S. E.	S. E.	
23 49	35	29.388	.150	W.	23 50	40	.230	N. W.	23 39	28	30.312	...	S. E.	S. E.	
24 50	39	29.250	.110	W.	24 45	33	.290	.010	N. W.	24 38	33	29.820	...	S. E.	S. E.
25 54	41	29.376	.010	N. W.	25 47	33	.290	...	S. E.	25 47	37	29.650	.050	S. E.	S. E.
26 50	38	29.680	...	W.	26 55	45	.290	...	N. W.	26 53	44	29.450	.260	N. W.	N. W.
27 53	48	29.350	...	S.	27 50	43	.290	...	W.	27 53	39	30.050	.250	N. W.	N. W.
28 55	41	29.998	.100	S. W.	28 49	44	.290	...	S. W.	28 43	26	30.150	...	S. E.	S. E.
29 49	39	29.330	.006	S.	29 57	48	.290	...	W.	29 43	27	30.100	.068	S. E.	S. E.
30 53	42	29.360	.150	N. E.	30 51	38	.290	.400	W.	30 44	42	30.088	.930	S. E.	S. E.
31 46	35	29.544	.480	W.						31 43	38	30.100	...	S. E.	S. E.

	RAIN.	MEAN TEMP.		RAIN.	MEAN TEMP.
January . . . .	2.008	35.6	July . . . . .	2.169	60.8
February . . .	2.744	43.9	August . . . .	4.443	51.3
March . . . . .	2.389	42.2	September . . .	2.520	55.3
April . . . . .	2.992	45.4	October . . . .	3.305	46.9
May . . . . .	.711	56.7	November . . . .	1.477	58.2
June . . . . .	3.660	55.0	December . . . .	2.667	42.6
				31.085	